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Office Memorandum • UNITED STATES GOVERNMENT

TO : The Files

FROM : Charles E. McEnroe, Jr.

SUBJECT: Trip Report - RD-138, Task Order 1 - KE-2

DOC	8	REV DATE	23 APR 1960	BY	018373
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JUST	22	NEXT REV	2010	AUTH:	HR 10-2

1. A short visit was made to the [redacted] on 18 June 1957 to review the 30-day engineering study of the Agent Radioteletype Keyer, KE-2. Present were:

50X1
50X1

[redacted]
REL
REL
R&D/EP

50X1

2. The company has completed their study of the KE-2 and are presently preparing a report of their findings, which is due by 10 July 1957. [redacted] does not feel that economic reproduction of the KE-2 cannot be accomplished without some major changes. As an example, he referred to the complicated and time-consuming wiring of the keyboard and, by way of improvement, proposed the adoption of the attached sketched keyboard. Other recommendations to be made by [redacted] include repackaging the electronics without redesign and redesigning the power supply. The net effect of re-working the KE-2 as proposed by the company will be to reduce the volume by 1/2 and eliminate the mechanical components that contribute to poor reliability.

50X1

3. It is believed that the contractor has correctly interpreted our study requirement for increased reliability and economical production design of the KE-2.

[redacted]
50X1

Attachment: Sketch of Proposed Keyboard

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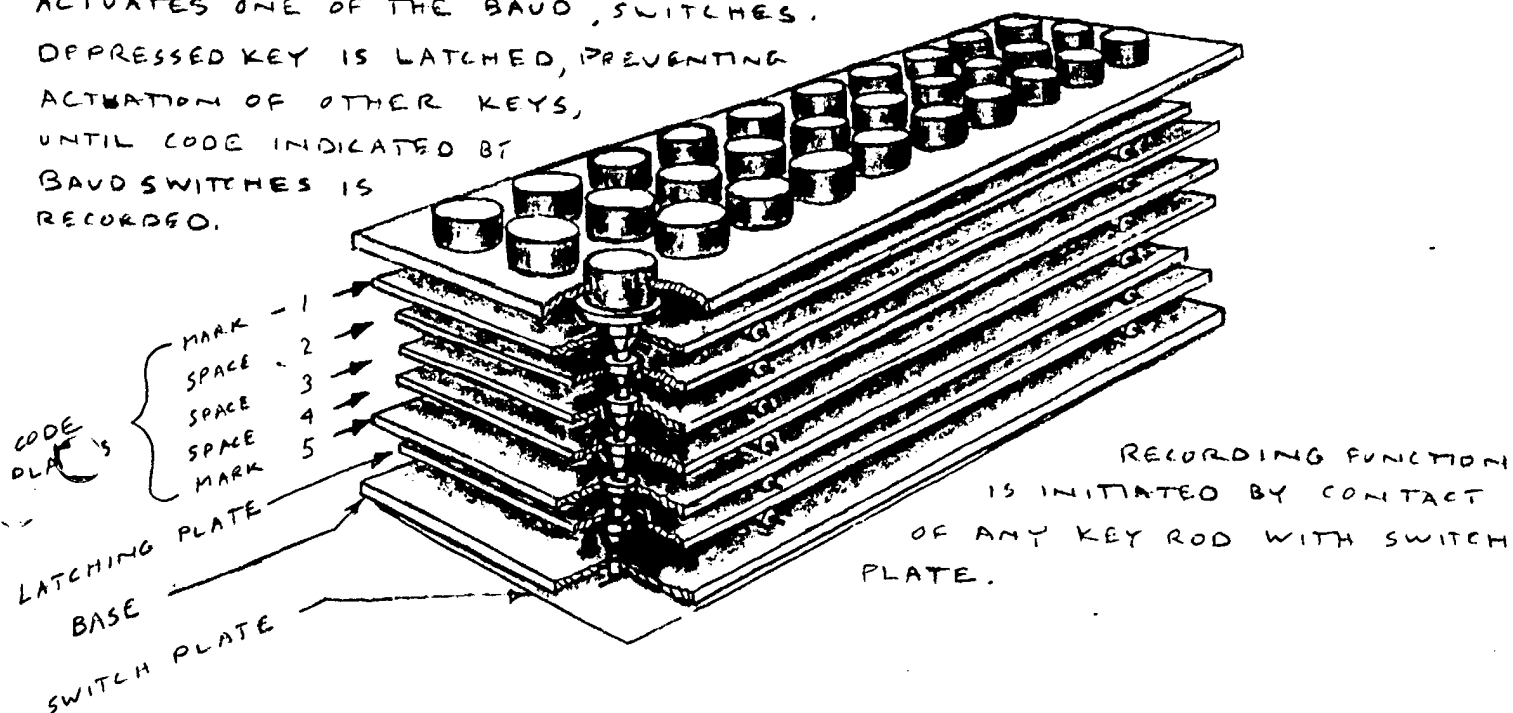
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PROPOSED KEYBOARD

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ALL KEY RODS ARE IDENTICAL. THE FIVE CODE PLATES HAVE DIFFERENT HOLE ARRANGEMENTS SUCH THAT EACH KEY, WHEN DEPRESSED, WILL PRODUCE A UNIQUE POSITIONING OF THE CODE PLATES. EACH CODE PLATE ACTUATES ONE OF THE BAUD SWITCHES.

DEPRESSED KEY IS LATCHED, PREVENTING ACTIVATION OF OTHER KEYS, UNTIL CODE INDICATED BY BAUD SWITCHES IS RECORDED.



PROPOSED BLOCK LAYOUT OF TELETYPE SIGNAL RECORDER

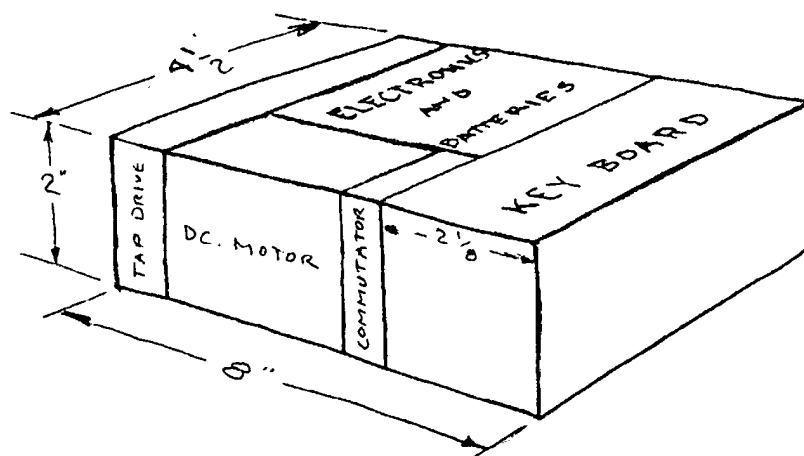


FIGURE 1

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DE. LIPPERT